Amendments to the Claims

1.-20. (canceled)

Please add the following claims:

21. (new) A method, comprising:

initially setting a voice over packet channel to voice mode at an originating gateway; determining that a modem calling the gateway is a high speed modem;

determining if the channel has at least one of either voice echo cancellation or voice compression is enabled;

disabling voice compression and voice echo cancellation, if enabled; enabling modem echo cancellation;

suppressing modem signals from the high speed modem from being transmitted by the originating gateway to a receiving modem through a receiving gateway;

negotiating with the high-speed modem to establish the connection; and upon completion of the negotiating, establishing a modem relay connection.

- 22. (new) The method of claim 21, wherein determining that the modem is a high speed modem further comprises detecting a V.8 call menu.
- 23. (new) The method of claim 21, wherein negotiating with the high-speed modern further comprises:

performing a local, truncated phase 1 negotiation under International Telecommunication

Union (ITU) standard V.34;

receiving two identical call menus from the high-speed modem;

completing the phase 1 negotiation and a physical layer startup under ITU standard V.8.

24. (new) An apparatus, comprising:

a processor to set a voice over packet channel to voice mode at an originating gateway;

a code detector to determine that a modem calling the gateway is a high speed modem;

a signal suppression mechanism to suppress signals between the high speed modem and a receiving modem;

a pass-through mode invocation mechanism to:

determine if the channel has at least one of either voice echo cancellation or voice compression is enabled;

disable voice compression and voice echo cancellation, if enabled; and enable modem echo cancellation; and

a proxy negotiation mechanism to negotiate with the high-speed modem to establish the connection and establish a modem relay connection.

- 25. (new) The apparatus of claim 24, wherein the code detector to determine that the modem is a high speed modem is further to detect a V.8 call menu.
- 26. (new) The apparatus of claim 24, wherein the proxy negotiation mechanism to negotiate with the high-speed modem is further to:

perform a local, truncated phase 1 negotiation under International Telecommunication
Union (ITU) standard V.34;

receive two identical call menus from the high-speed modem;

complete the phase 1 negotiation and a physical layer startup under ITU standard V.8.